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SPECIFICATION

[Title of Invention]

VEHICLE PEDAL DEVICE CAPABLE OF
ADJUSTING PEDAL POSITION IN
LONGITUDINAL DIRECTION OF
VEHICLE

[Claims]

[Claim 1] A pedal device for a vehicle, comprising:

a depressable portion which is to be operationally depressed by a driver of the vehicle;

an output member which is pivotably supported by a supporting shaft provided in a bracket that is fixed to a body of the vehicle, such that said output member is pivoted about said supporting shaft when said depressable portion is operationally depressed, for thereby applying to a motive-power transmitting member an output corresponding to a depression force which is applied to said depressable portion; and

a longitudinal adjustment device for moving said depressable portion in a longitudinal direction of the body of the vehicle when said depressable portion is not being operationally depressed;

said pedal device being characterized by comprising:

a pedal-ratio varying mechanism which is disposed between said output member and said motive-power transmitting member, and which is capable of adjusting a pedal ratio of said pedal device.

[Claim 2] A pedal device according to claim 1, characterized in that said pedal-ratio varying mechanism includes:

a pivot lever which is supported by an attaching shaft parallel to said supporting shaft and provided in said bracket

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[Claim 3] A pedal device according to claim 1 or 2, characterized in that said longitudinal adjustment device includes:

a pedal member which is connected to said adjusting link such that said pedal member is pivotable relative to said adjusting link about a fourth connecting shaft parallel to said supporting shaft, said pedal member being provided with said

depressable portion, so that said pedal member is pivoted about said fourth connecting shaft when said depressable portion is operationally depressed; and

an interlock link which is connected to said pedal member such that said interlock link is pivotable relative to said pedal member about a fifth connecting shaft parallel to said supporting shaft, said interlock link being connected to said output member such that said interlock link is pivotable relative to said output member about a sixth connecting shaft parallel to said supporting shaft, said interlock link cooperating with said adjusting link to position said pedal member in a fixed posture, said interlock link being pivoted about said sixth connecting shaft when said adjusting link is pivoted, for thereby causing a circular motion of said pedal member in a longitudinal direction of the vehicle, said interlock link causing said output member to be pivoted about said supporting shaft when said pedal member is pivoted about said fourth connecting shaft with said depressable portion being operationally depressed and with said adjusting link being positioned in a predetermined pivoted position;

wherein a line connecting said supporting shaft and said fourth connecting shaft, a line connecting said fourth connecting shaft and said fifth connecting shaft, a line connecting said fifth connecting shaft and said sixth connecting shaft and a line connecting said sixth shaft and said supporting shaft cooperate with each other to substantially define a parallelogram, so that said pedal member is substantially parallelly displaced when said

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